

log (Y/ ΔY)

LABJNDu8

tristimulus value contrast

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$C_r = (Y/\Delta Y)$

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$Y/dY = Y/[A_{0n}(A_{1n} + A_{2n}Y)] = x Y_u/[A_{0n}(A_{1n} + A_{2u}x)]$$

4
3
2
1

$$T^*_u = 332, dY_u = 0,17, Y_u/dY_u = 103$$

$$\log(Y/dY) = 2,01, m_u = 0,09$$

application
range

-2 -1 0 1 10 100 Y
x_N=0,2 1 x_W=5 2 log(Y)